

I claim:

1. A speed limiting system for a vehicle comprising:
 - (a) sensor for detecting tire failure;
 - 5 (b) signal generator to transmit a signal indicating tire failure;
 - (c) speed limiter for controlling vehicle speed to receive said signal, and limit vehicle speed according to;
 - (d) a selected speed profile which goes from an initial higher speed to a lower speed.
- 10 2. The system of claim 1, wherein the sensor detects conditions selected from the group consisting of: tire inflation pressure, temperature, noise, vibration, and rolling diameter of the tire.
- 15 3. The system of claim 2, wherein the sensor is a tire pressure sensor.
4. The system of claim 3, wherein the sensor is selected from the group consisting of: (a) a sensor for directly measuring tire pressure; and (b) a sensor for indirectly measuring tire pressure through the anti-lock braking system.
- 20 5. The system of claim 1, wherein the profile is selected from the group consisting of:
 - (a) profile for a pneumatic tire including an annular insert intended to support said tire in the event of pressure loss;
 - 25 (b) profile for a pneumatic tire including a thickened sidewall intended to support said tire in the event of pressure loss; and
 - (c) a default profile.
6. The system of claim 1, wherein the signal includes information identifying
30 specific mileage and speed capabilities of the tire.

7. The system of claim 1, wherein the signal includes information on the position of the tire on the vehicle.